1	We claim:			
2	1. A method for tracking a transmission status of one or more data			
3	elements to one or more devices, comprising:			
4	providing a list including one or more devices and one or more data elements;			
5	processing the list to determine a data element of said one or more data			
6	elements to transmit to a device of one of the one or more devices; and			
7	upon successfully transmitting the data element to the device, adjusting the			
8	list so that the list indicates that the device has received the transmitted data			
9	element.			
10				
11	2. The method of claim 1, wherein the operation of providing a list			
12	includes forming a linked list between the data elements and the devices.			
13				
14	3. The method of claim 1, wherein the operation of providing a list			
15	further comprises:			
16	providing a global version number;			
17	providing a local version number associated with each data element in the list			
18	and			
19	providing a local version number associated with each device in the list.			
20				
21	4. The method of claim 3, wherein when a data element is added to the			
22	list, the local version number associated with the data element is set to a value of an			
23	incremented global version number.			
24				
25	5. The method of claim 3, wherein the local version number associated			
26	with a device in the list is set to an initial value of zero.			
27				
28	6. The method of claim 3, wherein the local version number associated			
29	with a device in the list is set to an initial value of zero and is reset to the local			

l	version number of a data element after the data element is successfully transmitted to				
2	the device.				
3	7. The method of claim 3, wherein the operation of providing a list				
4	further comprises:				
5	providing a pointer to a start of the list; and				
6	providing a pointer to an end of the list.				
7					
8	8. The method of claim 7, further comprising:				
9	adding a data element to the end of the list; and				
10	incrementing the global version number.				
l 1					
12	9. The method of claim 7, further comprising:				
13	adding a device to the beginning of the list.				
14					
15	10. The method of claim 3, wherein the operation of processing the list				
16	further comprises:				
17	locating a device in the list which is nearest to a start of the list;				
18	obtaining the version number for the device; and				
19	comparing the version number to the global version number to determine if				
20	the device should have a data element transmitted to the device.				
21					
22	11. The method of claim 10, wherein the comparing operation determines				
23	that the device should have a data element transmitted to the device if the version				
24	number of the device is not equal to the global version number.				
25					
26	12. The method of claim 1, wherein the operation of adjusting the list				
27	further comprises:				
28	repositioning the device within the list adjacent to the data element and close				
29	to an end of the list than the data element.				

1				
2	13. The method of claim 3, wherein the operation of adjusting the list			
3	further comprises:			
4	resetting the local version number of the device to be equal to the local			
5	version number of the transmitted data element.			
6				
7	14. A method for transmitting one or more data elements to one or more			
8	devices, comprising:			
9	providing a list including one or more devices and one or more data elements;			
10	processing the list to determine a data element of said one or more data			
11	elements to transmit to a device of one of the one or more devices;			
12	transmitting the data element to the device; and			
13	adjusting the list to indicate that the device has received the transmitted data			
14	element.			
15				
16	15. The method of claim 14, wherein the operation of providing a list			
17	includes forming a linked list between the data elements and the devices.			
18				
19	16. The method of claim 14, wherein the operation of providing a list			
20	further comprises:			
21	providing a global version number;			
22	providing a local version number associated with each data element in the list			
23	and			
24	providing a local version number associated with each device in the list.			
25				
26	17. The method of claim 16, wherein the local version number associated			
27	with a data element in the list is set to a value of the global version number at a time			
28	when the data element was added to the list.			

1	18. 7	The method of claim 16, wherein the local version number associated			
2	with a device in the list is set to an initial value of zero.				
3					
4	19.	The method of claim 16, wherein the operation of processing the list			
5	further comprises:				
6	locating a device in the list which is nearest to a start of the list;				
7	obtaining the version number for the device; and				
8	comparing the version number to the global version number to determine if				
9	the device should have a data element transmitted to the device.				
10					
11	20.	The method of claim 19, wherein the comparing operation determines			
12	that the device	should have a data element transmitted to the device if the version			
13	number of the device is not equal to the global version number.				
14					
15	21.	The method of claim 14, wherein the operation of adjusting the list			
16	further comprises:				
17	repositioning the device within the list adjacent to the data element and closes				
18	to an end of the list than the data element.				
19					
20	22.	The method of claim 16, wherein the operation of adjusting the list			
21	further compri	ses:			
22	resettin	g the local version number of the device to be equal to the local			
23	version number	er of the transmitted data element.			
24					
25	23.	A router, comprising:			
26	a modu	le for providing a list including one or more devices and one or more			
27	data elements;				
28	a module for processing the list to determine a data element of said one or				
29	more data elements to transmit to a device of one of the one or more devices:				

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1	a module for transmitting the data element to the device; and
2	a module for adjusting the list so that the list indicates that the device has
3	received the transmitted data element.
4	